

Converting Colors

XYZ(20.5203, 12.4881, 2.1369)

Have a look what the booklet for
XYZ(20.5203, 12.4881, 2.1369)
contains.

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Color

**XYZ(20.5299, 12.5240,
2.1459)**

Conversions

Conversions Part 1

Format	Color
Hex	B53617
RGB	181, 54, 23
RGB Percent	71%, 21%, 9%
CMY	0.2902, 0.7882, 0.9098
CMYK	0.00, 0.70, 0.87, 0.29
HSL	12°, 77%, 40%
HSV	12°, 87%, 71%
XYZ	20.5299, 12.5240, 2.1459
YIQ	88.4390, 85.6430, 17.2830

Conversions

Conversions Part 2

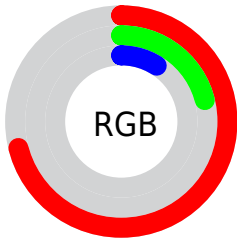
Format	Color
R_{YB}	181, 62, 23
Decimal	11875863
CIE Lab	42.04, 49.84, 46.04
CIE LCh	42, 67.850, 42.732
Yxy	12.5240, 0.5832, 0.3558
Android (android.graphics.Color)	4290065943 (0xFFB53617)
YUV	88.4390, -32.2614, 81.1760
Hunter-Lab	35.3893, 41.6196, 21.1773

Details

The XYZ color **20.5299, 12.5240, 2.1459** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **19.5986, 25.3280, 47.5716**, and the grayscale version is **9.4281, 9.9191, 10.8019**.

A 20% lighter version of the original color is **43.7763, 30.4004, 9.3550**, and **7.7457, 3.9931, 0.3625** is the 20% darker color. If you saturate the color by 10%, you get **19.8235, 11.3160, 1.2801**, and if you desaturate by 10%, it is **21.5589, 14.1864, 3.7090**.

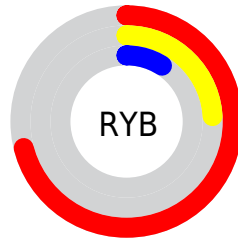
Distribution



Red (71%)

Green (21%)

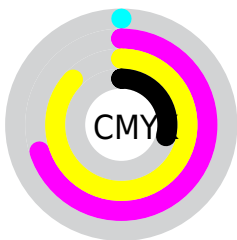
Blue (9%)



Red (71%)

Yellow (24%)

Blue (9%)

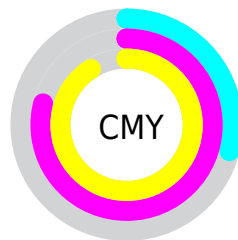


Cyan (0%)

Magenta (70%)

Yellow (87%)

Black (29%)



Cyan (29%)


Magenta (79%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.5299, 12.5240, 2.1459 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 20.5299, 12.5240, 2.1459 by changing the saturation by 10% instead.


 20.5299, 12.5240,
2.1459


 20.5299, 12.5240,
2.1459


247.5488,
207.8441, 124.6027


 12.8913, 7.1016,
0.6429


 43.8010, 30.4459,
9.4360


 7.4302, 3.5257,
0.0000


 60.1643, 43.7143,
16.0945


 3.7813, 1.4120,
0.0000

 80.1665, 60.3667,
25.3201

 1.5792, 0.2255,
0.0000

 104.1729, 80.7876,
37.5313


 0.3788, 0.0000,
0.0000


 132.5490,
105.3614, 53.1466


 0.0000, 0.0000,
0.0000


 165.6601,


134.4725, 72.5846


 203.8716,
168.5053, 96.2637


 20.5299, 12.5240,
2.1459


 20.5299, 12.5240,
2.1459


 19.8235, 11.3160,
1.2801


 21.5589, 14.1864,
3.7090

 19.6724, 11.0568,
1.0973

 22.9518, 16.3441,
6.1100

 24.7413, 19.0342,
9.4468

 26.9560, 22.2897,
13.8037

 29.6216, 26.1408,
19.2553

■ 32.7619, 30.6156,
25.8692

■ 36.3989, 35.7403,
33.7078

■ 40.5532, 41.5395,
42.8287

■ 45.2442, 48.0366,
53.2860

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



24.0713, 12.5240, 8.3912



20.5299, 12.5240, 2.1459



15.0166, 12.5240, 0.5373

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



20.5299, 12.5240, 2.1459



4.8432, 12.5240, 6.9483



14.1684, 12.5240, 62.5352

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



20.5299, 12.5240, 2.1459



19.5986, 25.3280, 47.5716

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



9.2537, 12.5240, 60.9795



20.5299, 12.5240, 2.1459



4.7350, 12.5240, 20.7089

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



20.5299, 12.5240, 2.1459



6.4666, 12.5240, 1.7244



6.1123, 12.5240, 42.4486



19.7600, 12.5240, 45.8458

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



20.5299, 12.5240, 2.1459



11.4480, 12.5240, 0.3289



6.1123, 12.5240, 42.4486



12.3713, 12.5240, 64.3480

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



20.5302, 12.5247, 2.1461



59.2000, 55.5738, 47.4489



25.0325, 12.7046, 30.8528



12.3551, 11.3874, 9.3190



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.5302, 12.5247, 2.1461



35.1077, 19.5515, 1.9234



27.3224, 26.1091, 4.4102



8.6269, 8.7664, 8.8899



13.6018, 7.7023, 0.7698



0.4677, 0.3217, 0.0375

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



19.5986, 25.3280, 47.5716



33.0402, 42.1801, 84.6948



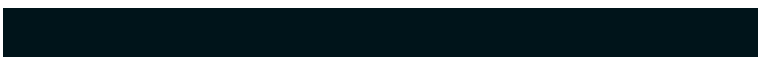
11.0785, 8.2878, 44.7315



8.5982, 9.3425, 10.8564



12.8293, 16.4589, 32.6377



0.4399, 0.5903, 1.0390

Previews

White Background



This preview shows how the XYZ color 20.5299, 12.5240, 2.1459 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5299, 12.5240, 2.1459

Background



This preview shows how black text looks on a background with the XYZ color 20.5299, 12.5240, 2.1459.



This preview shows how white text looks on a background with the XYZ color 20.5299, 12.5240,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

20.5299, 12.5240, 2.1459

Protanopia

11.5280, 12.6746, 3.3522

Deuteranopia

12.8446, 12.6964, 1.7737



Tritanopia

21.1178, 12.5698, 4.6813

Trichromacy



Original Color

20.5299, 12.5240, 2.1459

Protanomaly

13.6441, 11.5986, 2.7479

Deuteranomaly

14.9451, 11.9579, 1.7501

Tritanomaly

20.9373, 12.5682, 3.5129

Monochromacy



Original Color

20.5299, 12.5240, 2.1459

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

11.5359, 9.6766, 6.1103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5299, 12.5240, 2.1459 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(181, 54, 23)` looks like.

```
.text, #text, p{  
  color:rgb(181, 54, 23)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(181, 54, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 54, 23) }
```

Border

The CSS property to change the border of an element to XYZ 20.5299, 12.5240, 2.1459 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 54, 23) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(181, 54, 23) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(181, 54, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 54, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 54, 23);  
box-shadow:4px 4px 4px 4px rgb(181, 54,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5299, 12.5240, 2.1459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 54, 23) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(181, 54,  
23) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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